

Serial No. 09/000,824
Attorney Docket No. 41980.002004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Jayantha AMARASEKERA et al.

Serial No. 09/000,824

Filed: December 30, 1997

For: SILICONE COMPOSITIONS FOR
HIGH VOLTAGE INSULATOR
APPLICATIONS

Art Unit: 1713

Examiner: C. Lu Rutt

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OFFICE OF PETITIONS
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Assistant Commissioner of Patents
Washington, D.C. 20231

DECLARATION OF PRIOR INVENTION IN THE UNITED STATES TO OVERCOME
(CITED PATENT OR PUBLICATION 37 CFR 1.13)

PURPOSE OF DECLARATION

This declaration is to establish conception and reduction to practice of the invention of this application in the United States, at a date prior to August 6, 1997, the date of publication of EP 0787 772.

DECLARANTS

The persons making this declaration are the inventors Jayantha Amarasekera and James Edward Doin.

FACTS AND DOCUMENTARY EVIDENCE

To establish the date of conception and reduction to practice of the invention of this application, a notebook page, attached as Appendix A, is submitted as evidence. From the notebook page attached as Appendix A it can be seen that the invention of this application

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was conceived and reduced to practice in the United States of America before the date of
August 6, 1997, which is a date earlier than the publication date of the European Application.

Claim 17 of the application requires:

(A) 100 weight parts organopolysiloxane gum having at least 2 silicon-bonded alkenyl groups in each molecule and the average compositional formula:



in which R is selected from substituted and unsubstituted monovalent hydrocarbon groups and a has a value from 1.95 to 2.05,

(B) 15 to 300 weight parts aluminum hydroxide powder,

(C) 0.1 to 1 weight part of a silane treating agent, and

(D) 0.1 to 5 weight parts of a peroxide based curing agent, wherein said silane

treating agent (C) is present in an amount effective to act as a surface modifier for the aluminum hydroxide powder.

Referring to the portion of notebook page labeled as "Notebook Ref. 492-4002"
Where is it?
presented in Appendix A, SE6035 and SE6160 are organopolysiloxane compounds in amounts of 40 parts and 60 parts, respectively, for a total of 100 parts of organopolysiloxane compound. SE 6160 is a compounded methyl vinyl silicone rubber containing 64.4% by weight of a methyl vinyl silicone and SE 6035 is a compounded methyl vinyl silicone rubber containing 76.3% by weight of a methyl vinyl silicone. The other ingredients in these two rubber compounds are fillers and processing aids and in the case of the SE 6160 a small amount of a silazane cross linking agent. Hydral 710 is aluminum hydroxide powder in an amount of 100 parts. SC3735 is a silane treating agent in an amount of 0.5 parts. A

Does not support the range

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handwritten notation in the corner of this document indicates 1.8 parts of a peroxide catalyst
which is a peroxide based curing agent.
no range

Further the notation "insulator compound for Tosil" appears at least three times on
the notebook page bearing the formulation. Testing of the composition is evidenced by a
signature in the blank following "Compd. Tested By" and the listing of test data provided in
the lower portion of the "Notebook Ref. 492-4002" document.

TIME OF PRESENTATION OF THE DECLARATION

This declaration is submitted with a response to an office action of August 11, 2000.

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DECLARATION

As a person signing below:

I hereby declare that all statements made here and of my own knowledge are true and that statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the likes so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURES

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Inventor Signature: James Edward Doin

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